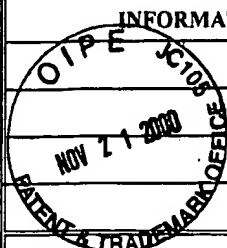


| U.S. Department of Commerce, Patent and Trademark Office | | | | | Attorney Docket No.: 1005-0017 | | | |
|---|----|--|---------------|-----------------|----------------------------------|----------|----------------------------|----|
| | | | | | Application No.: 09/627,572 | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | Applicant(s): Haixiang Liang | | | |
| (Use several sheets if necessary) | | | | | Filing Date: July 28, 2000 | | | |
| | | | | | Group Art Unit: 2734 | | | |
| | | | | | Date Submitted: November 7, 2000 | | | |
| U.S. Patent Documents | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| CF | AA | 6,118,813 | Sep. 12, 2000 | Lai | 375 | 231 | | |
| CF | AB | 6,115,395 | Sep. 5, 2000 | Norrell et al. | 370 | 523 | | |
| CF | AC | 6,108,354 | Aug. 22, 2000 | Scull et al. | 370 | 523 | | |
| CF | AD | 6,104,730 | Aug. 15, 2000 | Marks | 370 | 523 | | |
| CF | AE | 5,999,109 | Dec. 7, 1999 | Norrell et al. | 341 | 58 | | |
| CF | AF | 5,970,103 | Oct. 19, 1999 | Townshend | 375 | 340 | | |
| CF | AG | 5,875,229 | Feb. 23, 1999 | Eyuboglu et al. | 379 | 1 | | |
| CF | AH | 5,859,872 | Jan. 12, 1999 | Townshend | 375 | 242 | | |
| CF | AI | 5,835,538 | Nov. 10, 1998 | Townshend | 375 | 295 | | |
| CF | AJ | 5,809,075 | Sep. 15, 1998 | Townshend | 375 | 254 | | |
| CF | AK | 5,801,695 | Sep. 1, 1998 | Townshend | 375 | 340 | | |
| Foreign Patent Documents | | | | | | | | |
| | | | | | | | Translation | |
| | | Document | Date | Country | Class | Subclass | Yes | No |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| | AP | PN 3857, Draft 15, "North American Telephone Network Transmission Model for Evaluating Analog Client and Digitally Connected Server Modems," "Telecommunications Industry Association Standard Draft, May 2000, pp i-97. | | | | | | |
| | AQ | "A Digital Modem and Analogue Modem Pair for Use on the Public Switched Telephone Network (PSTN) at Data Signalling Rates of up to 56 000 Bit/s Downstream and up to 33,600 Bit/s Upstream," "Series V: Data Communication Over the Telephone Network, Simultaneous transmission of data and other signals, ITU-T, V.90, Sept. 1998, 51 pages. | | | | | | |
| CF | AR | U.S. Pat. App. No. 09/447,142, entitled "Deterministic Distortion Insensitive Adaptive Receiver Using Decision Updating," filed Nov. 23, 1999 by inventor Mark Gonikberg, 28 pages. | | | | | | |
| CF | AS | U.S. Pat. App. No. 09/627,571, entitled, "An Impairment Sensitive Selection of Constellation Points for Communication Across a Channel," filed July 28, 2000 by inventor Haixiang Liang, 53 pages. | | | | | | |
| CF | AT | U.S. Pat. App. No. 09/627,573, entitled, "Impairment Compensation Sequence for Communication," filed July 28, 2000 by inventor Haixiang Liang, 51 pages. | | | | | | |
| Examiner | | Date Considered | | | | | | |
| Chul W. I | | 10/17/04 | | | | | | |
| <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p> | | | | | | | | |

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| U.S. Department of Commerce, Patent and Trademark Office | | | | | Attorney Docket No.: 1005-0017 | | |
| | | | | | Application No.: 09/627,572 | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | | Applicant(s): Haixiang Liang | | |
| | | | | | Filing Date: July 28, 2000 | | |
| | | | | | Group Art Unit: 2734 | | |
| | | | | | Date Submitted: November 16, 2000 | | |
| U.S. Patent Documents | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | | | | | | |
| | AB | | | | | | |
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| | AJ | | | | | | |
| | AK | | | | | | |
| Foreign Patent Documents | | | | | | | |
| | | Document | Date | Country | Class | Subclass | Translation Yes No |
| CF | AL | WO 99/21288 | 14 Oct. 1998 | WO | — | — | |
| CF | AM | WO 98/17044 | 15 Oct. 1997 | WO | — | — | |
| | AN | | | | | | |
| | AP | | | | | | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
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| | AS | | | | | | |
| | AT | | | | | | |
| Examiner: <i>Chut m</i> | | Date Considered: 10/17/00 | | | | | |
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| U.S. Department of Commerce, Patent and Trademark Office | | | | Attorney Docket No.: 1005-0017 | | | |
| | | | | Application No.: 09/627,572 | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | Applicant(s): Haixiang Liang | | | |
| | | | | Filing Date: July 28, 2000 | | | |
| | | | | Group Art Unit: 2734 | | | |
| | | | | Date Submitted: December 14, 2000 | | | |
| U.S. Patent Documents | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | | | | | | |
| | AB | | | | | | |
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| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |
| Foreign Patent Documents | | | | | | | |
| | | Document | Date | Country | Class | Subclass | Translation Yes No |
| CF | AL | 99/12267 A2 | 11 Mar. 1999 | WO | — | — | |
| CF | AM | 99/37051 A2 | 22 Jul. 1999 | WO | — | — | |
| | AN | 99/56156 A2 | 16 Dec. 1999 | WO | — | — | |
| | AP | | | | | | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | AR | | | | | | |
| | AS | | | | | | |
| | AT | | | | | | |
| Examiner <i>Chet Ho</i> | | Date Considered 10/17/00 | | | | | |
| <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p> | | | | | | | |

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| U.S. Department of Commerce, Patent and Trademark Office | | | | | Attorney Docket No.: 1005-0017 | | |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | Applicant(s): Haixiang Liang | | |
| (Use several sheets if necessary) | | | | | Filing Date: July 28, 2000 | | |
| | | | | | Group Art Unit: 2634 | | |
| | | | | | Date Submitted: February 28, 2001 | | |

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| U.S. Patent Documents | | | | | | | |
|-----------------------|----|-----------------|------|------|-------|----------|----------------------------|
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | | | | | | |
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| Foreign Patent Documents | | | | | | | | |
|--------------------------|----|----------|--------------|---------|-------|----------|-------------|----|
| | | | | | | | Translation | |
| | | Document | Date | Country | Class | Subclass | Yes | No |
| CI | AL | 98/45977 | 15 Oct. 1998 | WO | — | — | | |
| CI | AM | 99/34504 | 8 Jul. 1999 | WO | — | — | | |
| CI | AN | 99/34566 | 8 July 1999 | WO | — | — | | |
| CI | AO | 99/38299 | 29 July 1999 | WO | — | — | | |
| CI | AP | 99/65156 | 16 Dec. 1999 | WO | — | — | | |

| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
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| Examiner: <i>Chut W. Li</i> | Date Considered: 10/17/04 |
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